

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

PATENT APPLICATION

Inventors: Xiao-Fan Feng, and Scott J. Daly

Attorney Docket No.
SLA1389

Serial No: Not Yet Assigned

Filed: Herewith

Title: SYSTEMS AND METHODS FOR
THREE DIMENSIONAL DITHER
STRUCTURE CREATION AND
APPLICATION

Hon. Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Sir:

Listed on attached Form PTO-1449 is information submitted pursuant to
37 C.F.R. §1.56. A copy of each listed publication is submitted herewith.

Applicant respectfully requests that the listed information be considered by
the Examiner and made of record in the above-identified application.

September 30, 2003

(Date)

Respectfully submitted,

Scott C. Krieger
Reg. No. 42,768

Scott C. Krieger, Patent Counsel
Sharp Laboratories of America, Inc.
5750 NW Pacific Rim Boulevard
Camas, WA 98607
Telephone: (360) 817-8488
Facsimile: (360) 817-7447

FORM PTO-1449		DOCKET NUMBER SLA1389	APPLICATION NUMBER
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT Xiao-Fan Feng, and Scott J. Daly	
		FILING DATE: September 30, 2003	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILE. DATE IF APPROP.
	3,244,808					
	3,562,420					
	3,739,082					
	4,275,411					
	6,288,698					
	5,577,590					
	5,712,651					
	5,552,800					
	5,122,783					
	5,059,963					
	4,460,924					
	4,568,966					
	4,652,905					
	4,758,893					
	5,148,273					
	5,253,045					
	5,652,624					
	4,758,893					
	5,619,228					
	5,623,281					
	5,726,718					
	5,751,379					
	6,040,876					
	6,052,491					
	6,215,913					
	4,965,668					
	5,254,982					
	5,714,974					
	5,712,657					
	6,084,560					
	6,147,671					
	3,961,134					
	4,956,638					
	5,164,717					

5,111,310						
5,138,303						
5,201,030						
5,218,649						
5,227,869						
5,333,260						
5,333,262						
5,619,230						
5,696,601						
5,809,178						
6,920,653						
5,148,273						
5,253,045						
5,652,624						
4,758,893						
5,969,710						

OTHER DOCUMENTS

	L.G. Roberts (1962) "Picture Coding using pseudo-random noise" IRE trans. On Information Theory. Feb 145-154
	J. Thompson and J. Sparkes (1967) "A pseudo-random quantizer for television signals", Proceedings of the IEEE, V. 55 #3, 353-355.
	R. Ulichney, "Dithering with Blue Noise", Proceedings of the IEEE, vol. 76, no. 1, pp. 56-79, 1988.
	T. Mitsa and K. Parker (1991) "Digital Halftoning using a Blue Noise Mask", In SPIE Electronic Imaging Conference, V. 1452, 45-56.
	A. Ahumada and A.B. Watson (1985) "Equivalent input noise model for contrast detection and discrimination", JOSA V. 2 #7, 1133-1139
	S. Daly (1990) "Application of a noise-adaptive contrast sensitivity function to image data compression" Optical Engineering V. 29, 977-987.
	S. Daly (1993) "Visible Difference Predictor: Algorithm for the assessment of image fidelity", in Human Vision and Digital Images, Ed. By A.B. Watson, MIT Press.
	D. Field, A Hayes, and R. Hess (1993) "Contour Integration by the human visual system: Evidence for local associations field". Vis. Res. V. 33 #2, 173-193.
	T. Pappas and D. Neuhoff (1995) "Printer models and error diffusion", IEEE Trans. On image processing V. 4 #1, 66-80.
	J.K. Ijspeert, et al (1993) "An improved mathematical description of the foveal visual point spread function with parameters for age, pupil size, and pigmentation", Vies. Res. V. 33, 15-20.
	D.R. Williams (1985) "Visibility of interference fringes near the resolution limit", JOSA AV.2, p 1091.
	J. Mulligan (1993) "Methods for spatiotemporal dithering" SID Conference, pp. 155-158.
	D. Kelly and C. Burbeck (1980) Spatiotemporal Characteristics of visual mechanisms: excitatory-inhibitory model. JOSA V. 70, pp. 1121-1126.